1969 INDEX OF ARTICLES PUBLISHED IN MATERIALS ENGINEERING

INDEX OF FEATURE ARTICLES

CARBON, GRAPHITE

Graphite Composites Take Aim At The Sky--Feb, p 36
Nonmetallics--Nov, p 44

CERAMICS, GLASS

Nonmetallic--Nov, p 44
Safer Aircraft Glasses Up Visibility, Resist Impact--Aug, p 32

COATINGS, FINISHES

Chromium Electroplates: Better Looking, Longer Lasting--July, p 44
Coatings Keep Metals 'Alive' at 2000+F Temperatures--June, p 46
Copper--Clear or Colored--Adds Eye Appeal to Products--Feb, p 56
Electroless Impact Plating Avoids H_2 Embrittlement--May, p 71
Finishes & Finishing--Nov, p 58
Flame Spray Coats Fight Heat, Corrosion, Wear--Oct, p 52
Guide to Conversion Coatings--Dec, p 52
How to Test Organic Coatings--Apr, p 83
New Developments in Plated Plastics--Sept, p 52
Plastic Powder Coatings Cut Costs, Up Performance--Mar, p 50
Put On a Hard Face to Fight Wear, Cut Costs--Jan, p 56
Two Porcelain Developments Spur New Applications--Aug, p 54
Want Good Looks+Durability? Try Plastic-metal Laminates--Apr, p 74

COMPOSITES (EXCEPT REINFORCED PLASTICS)

Composites--Nov, p 56
Graphic Composites Take Aim At the Sky--Feb, p 36
'Hot' Honeycombs Stay Strong at 300-500 F--Sept, p 42
NDT Methods for Composites, Reinforced Plastics--Oct, p 59
Want Good Looks+Durability? Try Plastic-metal Laminates--Apr, p 74

COPPER AND ITS ALLOYS

Copper--Clear or Colored--Adds Eye Appeal to Products--Feb, p 56
New Copper Alloys Boost Strength, Cut Costs--Jan, p 28

FORMING

Air Force Spurs Advances in Forging and Extrusion--June, p 38
Cold Formed Plastics Rival Metals, Other Plastics--Aug, p 42
Rotational Molding: Bigger Parts, Faster Production--Oct, p 40
Spark Sintering Tames Exotic P/M Materials--Oct, p 32

GENERAL

Advanced Materials For the Next Decade--Oct, p 20
Composites--Nov, p 56
Computer Looms Large in Materials Testing Future--Dec, p 63
Finishes & Finishing--Nov, p 58
How To Pick The Right Alloy To Resist Low Cycle Fatigue--July, p 28
HRC-Observer and Analyst of the Materials Field--Dec, p 20
Materials Toward The Year 2000--Nov, p 34
Metals--Nov, p 36
Nonmetallics--Nov, p 44
Radiation Speeds Processing of Materials--Mar, p 42
The Airplane--Nov, p 38
The Automobile--Nov, p 48
The Bulldozer--Nov, p 60
The Implant--Nov, p 62
The Power Plant--Nov, p 54
The T.V. and Typewriter--Nov, p 64
13th Annual Materials Application Awards--Apr, p 30
Underwriters' Laboratories Spurs Safer Products--May, p 82
What You Can Do With That 'Memory' Alloy--Oct, p 28

HIGH TEMPERATURE PROPERTIES AND MATERIALS

Coatings Keep Metals 'Alive' at 2000+F Temperatures--June, p 46
Columbium and Tantalum Buck High Temperature Limits--Mar, p 26
Flame Spray Coats Fight Heat, Corrosion, Wear--Oct, p 52
Graphite Composites Take Aim At The Sky--Feb, p 36
'Hot' Honeycombs Stay Strong at 300-500 F--Sept, p 42
Today's Superalloys: Good; Tomorrow's: Even better--May, p 21

JOINING AND FASTENING

Guide to Diffusion Bonding--Sept, p 24

MACHINING, METAL REMOVAL

Free-Machining Steels Boost Output, Cut Costs--Sept, p 78
Guide to Machining P/M Parts--Jan, p 50

MAGNESIUM AND ITS ALLOYS

Where Speed is King So is Magnesium--Apr, p 38

MATERIALS ENGINEERS AT WORK

Babcock & Wilcox's Olhoeft--Jan, p 22
Ford Picks Body Materials to Please...and Keep...buyers--Apr, p 34
I-R's Montgomery Ups Materials to Match Product Performance--Feb, p 18
Picking Materials for Fun Is a Serious Business--Aug, p 14
Raytheon's Freedman 'sells' Materials--Mar, p 18
Western Electric's Materials Picked for Fast Production--May, p 18

MOLDING(S)

Blow Molded Products Look Better, Cost Less--Feb, p 46

NONFERROUS METALS (NOT ELSEWHERE CLASSIFIED)

Zinc and Lead Broaden Product Appeal--Aug, p 24

NONMETALLIC MATERIALS (NOT ELSEWHERE CLASSIFIED)

The Implant--Nov, p 62

PLASTICS, GENERAL

Cold Formed Plastics Rival Metals, Other Plastics--Aug, p 42
How Plastics Perform at Low Temperatures--Dec, p 34
How to Test Plastic Properties--Aug, p 62
New Developments in Plated Plastics--Sept, p 52
New Foams: More Variety, Easier Processing--May, p 42
Nonmetallics--Nov, p 44
Rotational Molding: Bigger Parts, Faster Production--Oct, p 40
Water-filled Polyester Foams Combine High Density, Low Cost--July, p 18
Wide Selection, Better Grades Keep Nylon Competitive--Mar, p 34

PLASTICS, REINFORCED

NDT Methods for Composites, Reinforced Plastics--Oct, p 59
Processing Property Gains Spark Big Change to GRP--June, p 28
Smoother, Better-looking Reinforced Plastic Moldings--Dec, p 46

POWDER METALLURGY

Guide to Machining P/M Parts--Jan, p 50
Pick Right Method to Test Hardness of P/M Parts--Mar, p 60
Spark Sintering Tames Exotic P/M Materials--Oct, p 32

RUBBER

Nonmetallics--Nov, p 44

STAINLESS STEELS

New Stainless Steels: Properties Up, Easier to Work--Feb, p 26

STEELS

Carbon Steel Wire: A Versatile Design Material--Dec, p 28
Free-machining Steels Boost Output, Cut Costs--Sept, p 78
HSLA Steels Get Stronger, Find More Uses--Apr, p 42

TESTING AND INSPECTION

Computer Looms Large in Materials Testing Future--Dec, p 63
Environmental Tests Help Pick Materials For Space--Sept, p 65
Guide to Nondestructive Testing--June, p 60
How to Test Organic Coatings--Apr, p 83
How to Test Plastic Properties--Aug, p 62
Improved Destructive Tests Aid in Materials Selection--July, p 63
NDT Methods for Composites, Reinforced Plastics--Oct, p 59
Pick Right Method to Test Hardness of P/M parts--Mar, p 60
Underwriters' Laboratories Spurs Safer Products--May, p 82

TITANIUM AND ITS ALLOYS

Columbium and Tantalum Buck High Temperature Limits--Mar, p 26
Liquid Crystals Track Flaws In a Colorful Way--Feb, p 66
Nonaerospace Titanium Use Could Triple in 10 Years--June, p 22

ZINC AND ITS ALLOYS

Zinc and Lead Broaden Product Appeal--Aug, p 24

INDEX OF AUTHORS

Alm, G.V., Guide to Diffusion Bonding -- Sept, p 24

Boesel, R.W.,Jacobson, M.I., and Yoshioka, I.S., Spark Sintering Tames Exotic P/M Materials --Oct, p 32

Chepko, F.E.,Carbon Steel Wire: A Versatile Design Material--Dec, p 28

Epstein, G. and Rowand, R.R.,NDT Methods for Composites, Reinforced Plastics--Oct, p 59

Everhart, J.L., Electroless Impact Plating Avoids H_2 Embrittlement--May, p 71

Fabian, R.J., Advanced Materials For the Next Decade--Oct, p 20
Blow Molded Products Look Better, Cost Less--Feb, p 46
Cold Formed Plastics Rival Metals, Other Plastics--Aug, p 42
New Foams: More Variety, Easier Processing--May, p 42
Nonmetallics--Nov, p 44
Processing Property Gains Spark Big Change to GRP--June, p 28
The T.V. and Typewriter--Nov, p 64
Water-Filled Polyester Foams Combine High Density,Low Cost--July, p 18
Wide Selection, Better Grades Keep Nylon Competitive--Mar, p 34

Layne, A.A., Composites--Nov, p 56
Ford Picks Body Materials to Please...And Keep...Buyers--Apr, p 34
I-R's Montgo mery Ups Materials to Match Product Performance--Feb, p 18
Materials Toward The Year 2000--Nov, p 34
Raytheon's Freedman 'sells' Materials--Mar, p 18
The Bulldozer--Nov, p 60

Marshall, A.C. and Brentjes, J., 'Hot' Honeycombs Stay Strong at 300-500 F--Sept, p 42

Mock, J.A., Chromium Electroplates; Better Looking, Longer Lasting--July, p 44
Coatings Keep Metals 'Alive' at 2000 +F Temperatures--June, p 46
Computer Looms Large in Materials Testing Future--Dec, p 63
Copper--Clear or Colored--Adds Eye Appeal to Products--Feb, p 56
Finishes & Finishing--Nov, p 58
Flame Spray Coats Fight Heat,Corrosion, Wear--Oct, p 52
Guide to Conversion Coatings--Dec, p 53
Guide to Nondestructive Testing--June, p 60
Liquid Crystals Track Flaws in a Colorful Way--Feb, p 66
New Developments in Plated Plastics--Sept, p 52
Plastic Powder Coatings Cut Costs, up Performance--Mar, p 50
Put On a Hard Face to Fight Wear, Cut Costs--Jan, p 56
Radiation Speeds Processing of Materials--Mar, p 42
The Implant--Nov, p 62
The Power Plant--Nov, p 54
Underwriters' Laboratories Spurs Safer Products--May, p 82
Want Good Looks+Durability? Try Plastic-Metal Laminates--Apr, p 74

Neruda, D.R., Western Electric's Materials Picked for Fast Production --May, p 18

Stoops, R.B and Maxel, J.M., Smoother, Better-looking Reinforced Plastic Moldings--Dec, p 46

Vaccari,J.A., Air Force Spurs Advances in Forging and Extrusion--June, p 38
Columbium and Tantalum Buck High Temperature Limits--Mar, p 26
Free-machining Steels Boost Output, Cut Costs--Sept, p 78
Graphite Composites Take Aim At The Sky--Feb, p 36

INDEX OF AUTHORS

Vaccari, J.A., Guide to Machining P/M parts--Jan, p 50
HSLA Steels Get Stronger, Find More Uses--Apr, p 42
Metals--Nov, p 36
New Copper Alloys Boost Strength, Cut Costs--Jan, p 28
New Stainless Steels: Properties Up, Easier to Work--Feb, p 26
Safer Aircraft Glasses Up Visibility, Resist Impact--Aug, p 32
The Airplane--Nov, p 38
The Automobile--Nov, p 48
Today's Superalloys: Good; Tomorrow's: even better--May, p 21
Zinc and Lead Broaden Product Appeal--Aug, p 24

Wagner, H.J. and Jackson, C.M., What You Can Do With That 'Memory' Alloy--Oct, p 28

Wittman,C.A., Rotational Molding: Bigger Parts, Faster Production--Oct, p 40